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archive

.

(no) .

[no] archive

.

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CONFIG

:

```
esr(config)# archive
esr(config-archive)#
```

auto

/ ([time-period](#)).

(no) .

[no] auto

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CONFIG-ARCHIVE

:

```
esr(config-archive)# auto
```

banner exec

, .

(no) , .

```
banner exec <BUNNER>
no banner exec
```

<BUNNER> – , 2047 .

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CONFIG

:

```
esr(config)# banner exec "          ----- Hello! This is an Eltex router.
----- \n----- Unauthorized configuration changes are prosecuted by the law of the
Russian Federation. -----"
```

banner login

, .

```
banner login <BUNNER>
no banner login
```

<BUNNER> – , 2047 .

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CONFIG

:

```
esr(config)# banner login "                ----- Hello! This is an Eltex router.
----- \n----- Unauthorized connection is prosecuted by the law of the Russian Federation.
----- "
```

boot host auto-config

DHCP Option 54 (IP- TFTP-) 67 ().

(no) DHCP Option 66 67.

[no] boot host auto-config

.

10

.

CONFIG

:

```
esr(config)# boot host auto-config
```

boot host auto-update

DHCP Option 54 (IP- TFTP-) FILE DHCP OFFER. [boot host auto-config](#), .

(no) DHCP Option 150 67.

[no] boot host auto-update

.

10

.

CONFIG

:

```
esr(config)# boot host auto-update
```

boot system

, .

boot system <IMAGE>

<IMAGE> – , :

- image-1 – ;
- image-2 – .

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ROOT

:

```
esr# boot system image-2
```

by-commit

.

(no) .

[no] by-commit

.

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CONFIG-ARCHIVE

:

```
esr(config-archive)# by-commit
```

commit

() . RUNNING- CANDIDATE. , «confirm» , (600 , [system config-confirm timeout](#)).

commit

.

10

ROOT

CHANGE-EXPIRED-PASSWORD

:

```
esr# commit
```

confirm

. (600, [system config-confirm timeout](#)) «commit» , . .

confirm

.

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ROOT

CHANGE-EXPIRED-PASSWORD

:

```
esr# confirm
```

.

copy

.

copy <SOURCE> <DESTINATION>

<SOURCE> -, :

- ftp://<ip>[<port>]:/<path> - TFTP-, :
 - <ip> - IP- TFTP-;
 - <port> -, TFTP-, IP- «#» «:»;
 - <path> - TFTP-.
- ftp://<ipv6>[%<interface>][<port>]:/<path> - TFTP-, :
 - <ipv6> - IPv6- TFTP-;
 - <interface> - link-local ;
 - <port> -, TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> - TFTP-.
- ftp://[<user>[:<password>]@]<ip>[<port>]:/<path>
 - <ip> - IP- FTP-;
 - <user> - (*ip ftp client username*, [ip ftp client username](#));
 - <password> - (*ip ftp client password*, [ip ftp client password](#));
 - <port> -, TFTP-, IP- «#» «:»;
 - <path> - FTP-.
- ftp://[<user>[:<password>]@]<ipv6>[%<interface>][<port>]:/<path>

- <ipv6> – IPv6- FTP-;
- <interface> – link-local ;
- <user> – (*ip ftp client username*, *ip ftp client username*);
- <password> – (*ip ftp client password*, *ip ftp client password*);
- <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
- <path> – FTP-.
- sftp://[<user>[:<password>]@]<ip>[:<port>]:/<path>
 - <ip> – IP- FTP-;
 - <user> – (*ip sftp client username*, *ip sftp client username*);
 - <password> – (*ip sftp client password*, *ip sftp client password*);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – FTP-.
- sftp://[<user>[:<password>]@]<ipv6>[%<interface>][<port>]:/<path>
 - <ipv6> – IPv6- FTP-;
 - <interface> – link-local ;
 - <user> – (*ip sftp client username*, *ip sftp client username*);
 - <password> – (*ip sftp client password*, *ip sftp client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – FTP-.
- scp://[<user>:<password>@]<ip>[:<port>]:/<path>
 - <ip> – IP- ;
 - <user> – (*ip ssh client username*, *ip ssh client username*);
 - <password> – (*ip ssh client password*, *ip ssh client password*);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – .
- scp://[<user>:<password>@]<ipv6>[%<interface>][<port>]:/<path>
 - <ipv6> – IPv6- ;
 - <interface> – link-local ;
 - <user> – (*ip ssh client username*, *ip ssh client username*);
 - <password> – (*ip ssh client password*, *ip ssh client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – .
- http://<ip>[:<port>]:/<path> – HTTP-, :
 - <ip> – IP- HTTP-;
 - <port> – , HTTP-, IP- «#» «:»;
 - <path> – HTTP-.
- http://<ipv6>[%<interface>][<port>]:/<path> – HTTP-, :
 - <ipv6> – IPv6- HTTP-;
 - <interface> – link-local ;
 - <port> – , HTTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – TFTP-.
- https://[ca/<CA-FILE>][:server-crt/<SC-FILE>][:server-key/<SK-FILE>]@<ip>[:<port>]:/<path> – HTTPS-, :
 - <CA-FILE> – ;
 - <SC-FILE> – ;
 - <SK-FILE> – ;
 - <ip> – IP- HTTP-;
 - <port> – , HTTPS-, IP- «#» «:»;
 - <path> – HTTP-.
- https://[ca/<CA-FILE>][:server-crt/<SC-FILE>][:server-key/<SK-FILE>]@<ipv6>[%<interface>][<port>]:/<path> – HTTPS-, :
 - <CA-FILE> – ;
 - <SC-FILE> – ;
 - <SK-FILE> – ;
 - <ipv6> – IPv6- HTTPS-;
 - <interface> – link-local ;
 - <port> – , HTTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – TFTP-.
- usb://usb_name:/PATH
 - usb_name – USB-. "show storage-devices" (. [show storage-devices](#));
 - <path> – USB-.
- mmc://mmc_name:/PATH (ESR-10/12V/12VF/14VF)
 - mmc_name – MMC-. "show storage-devices" (. [show storage-devices](#));
 - <path> – MMC-.
- system:factory-config – ;
- system:default-config – ();
- system:running-config – ;
- system:candidate-config – , «commit»;
- system:firmware – . ;
- system:boot-1 – (SBI, bl1, x-loader).
- system:boot-2 – (u-boot, boot).
- flash:critlog/FILE – ;
- flash:syslog/FILE – , ;
- tmpsys:syslog/FILE – , ;
- flash:backup/FILE – ;
- flash:data/FILE – .

<DESTINATION> – , :

- tftp://<ip>[:<port>]:/<path> – TFTP-, :
 - <ip> – IP- TFTP-;
 - <port> – , TFTP-, IP- «#» «:»;

- <path> – TFTP-.
- ftp://<ipv6>[%<interface>][<port>]:/<path> – TFTP-, :
 - <ipv6> – IPv6- TFTP-;
 - <interface> – link-local ;
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – TFTP-.
- ftp://<user>[:<password>]@<ip>[<port>]:/<path>
 - <ip> – IP- FTP-;
 - <user> – (*ip ftp client username*, *ip ftp client username*);
 - <password> – (*ip ftp client password*, *ip ftp client password*);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – FTP-.
- ftp://<user>[:<password>]@<ipv6>[%<interface>][<port>]:/<path>
 - <ipv6> – IPv6- FTP-;
 - <interface> – link-local ;
 - <user> – (*ip ftp client username*, *ip ftp client username*);
 - <password> – (*ip ftp client password*, *ip ftp client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – FTP-.
- sftp://<user>[:<password>]@<ip>[<port>]:/<path>
 - <ip> – IP- FTP-;
 - <user> – (*ip sftp client username*, *ip sftp client username*);
 - <password> – (*ip sftp client password*, *ip sftp client password*);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – FTP-.
- sftp://<user>[:<password>]@<ipv6>[%<interface>][<port>]:/<path>
 - <ipv6> – IPv6- FTP-;
 - <interface> – link-local ;
 - <user> – (*ip sftp client username*, *ip sftp client username*);
 - <password> – (*ip sftp client password*, *ip sftp client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – FTP-.
- scp://<user>[:<password>]@<ip>[<port>]:/<path>
 - <ip> – IP- ;
 - <user> – (*ip ssh client username*, *ip ssh client username*);
 - <password> – (*ip ssh client password*, *ip ssh client password*);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – .
- scp://<user>[:<password>]@<ipv6>[%<interface>][<port>]:/<path>
 - <ipv6> – IPv6- ;
 - <interface> – link-local ;
 - <user> – (*ip ssh client username*, *ip ssh client username*);
 - <password> – (*ip ssh client password*, *ip ssh client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – .
- usb://usb_name:/PATH
 - usb_name – USB-. "show storage-devices" (. [show storage-devices](#));
 - <path> – USB-.
- mmc://mmc_name:/PATH (ESR-10/12V/12VF/14VF)
 - mmc_name – MMC-. "show storage-devices" (. [show storage-devices](#));
 - <path> – MMC-.
- system:candidate-config – , «commit»;
- system:licence – ;
- system:boot-licence – , ;
- system:firmware – . ;
- system:boot2 – (u-boot, x-loader);
- certificate/ca/ – ;
- certificate/dh/ – -;
- certificate/server_key/ – OPENVPN-;
- certificate/server_crt/ – OPENVPN-;
- certificate:client-key/FILE – OPENVPN-;
- certificate:client-crt/FILE – OPENVPN-;
- certificate/ta/ – -;
- certificate/crl/ – ;
- flash:data/FILE – .

```
esr# copy tftp://10.100.100.1:/esr.cfg system:candidate-config
```

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```
esr# copy tftp://10.100.100.1:/crl.pem system:certificate/crl/crl.pem
```

count-backup

.
(no) .

count-backup <NUM>

no count-backup

<NUM> – . [1..100].

1

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CONFIG-ARCHIVE

:

```
esr(config-archive)# count-backup 20
```

delete

, , ,

delete <FILE>

<FILE> – , ():

- flash:backup/FILE – ;
- flash:critlog/FILE – ;
- flash:data/FILE – ;
- flash:syslog/FILE – , ;
- tmpsys:syslog/FILE – , ;
- certificate/ca/FILE – ;
- certificate/dh/FILE – ;
- certificate/server_key/FILE – IPsec/OpenVPN ;
- certificate/server crt/FILE – IPsec/OpenVPN ;
- certificate:client-key/FILE – OPENVPN-;
- certificate:client-crt/FILE – OPENVPN-;
- certificate/ta/FILE – ;
- certificate/crl/FILE – ;
- system:licence – , ;
- system:boot- licence – , ;
- usb://usb_name/FILE
 - usb_name – USB-. "show storage-devices" ([show storage-devices](#));

- <FILE> – USB-.
- mmc://mmc_name:/<FILE> (ESR-10/12V/12VF/14VF)
 - mmc_name – MMC-. "show storage-devices" (. [show storage-devices](#));
 - <FILE> – MMC-.

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ROOT

:

```
esr# delete system:certificate/dh/dh.key
```

dir

(USB/MM) .

```
dir <PATH>
{ usb://<USB-device-name>/<PATH> | mmc://<MMC-device-name>/<PATH> | flash:backup/FILE | flash:data/FILE }
```

<PATH> – . :

- flash:critlog/ – ;
- flash:syslog/ – , ;
- flash:backup/ – ;
- flash:data/ – ;
- tmpsys:syslog/ – , ;
- certificate/ca/ – ;
- certificate/dh/ – -;
- certificate/ta/ – ;
- certificate/crl/ – ;
- certificate/server_key/ – IPsec/OpenVPN ;
- certificate/server_crt/ – IPsec/OpenVPN ;
- certificate:client-key/ – OPENVPN-;
- certificate:client-crt/ – OPENVPN-;
- usb://usb_name:/PATH
 - usb_name – USB-. "show storage-devices" (. [show storage-devices](#));
 - <PATH> – USB-.
- mmc://mmc_name:/PATH (ESR-10/12V/12VF/14VF)
 - mmc_name – MMC-. "show storage-devices" (. [show storage-devices](#));
 - <PATH> – MMC-.

<USB-device-name> – USB-. show storage-devices usb, [show storage-devices](#).

<MMC-device-name> – MMC-. show storage-devices mmc, [show storage-devices](#).

- flash:backup/FILE – ;
- flash:data/FILE – ;

<PATH> – USB/MMC-.

flash:backup/FILE – ;

flash:data/FILE – ;

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ROOT

:

```
esr# dir mmc://EF28-D074
```

Name	Type	Size	--
esr1000-1.4.0-build21.uboot	File	0.00	B
.Trash-1000	Directory	0.00	B

merge

c candidate-config.

```
merge <SOURCE> system:candidate-config
```

<SOURCE> -, :

- `ftp://<ip>[<port>]:/<path>` - TFTP-, :
 - `<ip>` - IP- TFTP-;
 - `<port>` -, TFTP-, IP- «#» «:»;
 - `<path>` - TFTP-.
- `ftp://<ipv6>[%<interface>][<port>]:/<path>` - TFTP-, :
 - `<ipv6>` - IPv6- TFTP-;
 - `<interface>` - link-local ;
 - `<port>` -, TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - `<path>` - TFTP-.
- `ftp://[<user>[:<password>]@]<ip>[<port>]:/<path>`
 - `<ip>` - IP- FTP-;
 - `<user>` - (*ip ftp client username*, *ip ftp client username*);
 - `<password>` - (*ip ftp client password*, *ip ftp client password*);
 - `<port>` -, TFTP-, IP- «#» «:»;
 - `<path>` - FTP-.
- `ftp://[<user>[:<password>]@]<ipv6>[%<interface>][<port>]:/<path>`
 - `<ipv6>` - IPv6- FTP-;
 - `<interface>` - link-local ;
 - `<user>` - (*ip ftp client username*, *ip ftp client username*);
 - `<password>` - (*ip ftp client password*, *ip ftp client username*);
 - `<port>` -, TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - `<path>` - FTP-.
- `sftp://[<user>[:<password>]@]<ip>[<port>]:/<path>`
 - `<ip>` - IP- FTP-;
 - `<user>` - (*ip sftp client username*, *ip sftp client username*);
 - `<password>` - (*ip sftp client password*, *ip sftp client password*);
 - `<port>` -, TFTP-, IP- «#» «:»;
 - `<path>` - FTP-.
- `sftp://[<user>[:<password>]@]<ipv6>[%<interface>][<port>]:/<path>`
 - `<ipv6>` - IPv6- FTP-;
 - `<interface>` - link-local ;
 - `<user>` - (*ip sftp client username*, *ip sftp client username*);
 - `<password>` - (*ip sftp client password*, *ip sftp client password*);
 - `<port>` -, TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - `<path>` - FTP-.
- `scp://[<user>[:<password>]@]<ip>[<port>]:/<path>`
 - `<ip>` - IP- ;
 - `<user>` - (*ip ssh client username*, *ip ssh client username*);
 - `<password>` - (*ip ssh client password*, *ip ssh client password*);
 - `<port>` -, TFTP-, IP- «#» «:»;
 - `<path>` - .
- `scp://[<user>[:<password>]@]<ipv6>[%<interface>][<port>]:/<path>`
 - `<ipv6>` - IPv6- ;
 - `<interface>` - link-local ;
 - `<user>` - (*ip ssh client username*, *ip ssh client username*);
 - `<password>` - (*ip ssh client password*, *ip ssh client password*);
 - `<port>` -, TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - `<path>` - .
- `http://<ip>[<port>]:/<path>` - HTTP-, :
 - `<ip>` - IP- HTTP-;
 - `<port>` -, HTTP-, IP- «#» «:»;
 - `<path>` - HTTP-.
- `http://<ipv6>[%<interface>][<port>]:/<path>` - HTTP-, :
 - `<ipv6>` - IPv6- HTTP-;
 - `<interface>` - link-local ;
 - `<port>` -, HTTP-, IPv6- '#' ':' (IPv6- «[]»);

- <path> – TFTP-.
- https://[ca/<CA-FILE>][:server-crt/<SC-FILE>][:server-key/<SK-FILE>]@<ip>[:<port>]:/<path> – HTTPS-, :
 - <CA-FILE> – ;
 - <SC-FILE> – ;
 - <SK-FILE> – ;
 - <ip> – IP- HTTP-;
 - <port> – , HTTPS-, IP- «#» «:»;
 - <path> – HTTP-.
- https://[ca/<CA-FILE>][:server-crt/<SC-FILE>][:server-key/<SK-FILE>]@<ipv6>[%<interface>][:<port>]:/<path> – HTTPS-, :
 - <CA-FILE> – ;
 - <SC-FILE> – ;
 - <SK-FILE> – ;
 - <ipv6> – IPv6- HTTPS-;
 - <interface> – link-local ;
 - <port> – , HTTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – TFTP-.
- flash:data/FILE – .

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ROOT

```
esr# merge tftp://10.100.100.1/esr.cfg system:candidate-config
```

path

, , . -

(no) .

path <PATH>

no path

<PATH> – tftp/ftp/sftp/scp :

- tftp://<ip>[:<port>]:/<path> – TFTP-, :
 - <ip> – IP- TFTP-;
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – TFTP-.
- tftp://<ipv6>[%<interface>][:<port>]:/<path> – TFTP-, :
 - <ipv6> – IPv6- TFTP-;
 - <interface> – link-local ;
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – TFTP-.
- ftp://<user>[:<password>]@<ip>[:<port>]:/<path>
 - <ip> – IP- FTP-;
 - <user> – (ip ftp client username, ip ftp client username);
 - <password> – (ip ftp client password, ip ftp client password);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – FTP-.
- ftp://<user>[:<password>]@<ipv6>[%<interface>][:<port>]:/<path>
 - <ipv6> – IPv6- FTP-;
 - <interface> – link-local ;
 - <user> – (ip ftp client username, ip ftp client username);
 - <password> – (ip ftp client password, ip ftp client username);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – FTP-.
- sftp://<user>[:<password>]@<ip>[:<port>]:/<path>
 - <ip> – IP- FTP-;
 - <user> – (ip sftp client username, ip sftp client username);
 - <password> – (ip sftp client password, ip sftp client password);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – FTP-.

- sftp://[<user>:<password>]@[<ipv6>[%<interface>]][<port>]:/<path>
 - <ipv6> – IPv6- FTP-;
 - <interface> – link-local ;
 - <user> – (*ip sftp client username*, *ip sftp client username*);
 - <password> – (*ip sftp client password*, *ip sftp client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – FTP-.
- scp://[<user>:<password>@]<ip>[<port>]:/<path>
 - <ip> – IP- ;
 - <user> – (*ip ssh client username*, *ip ssh client username*);
 - <password> – (*ip ssh client password*, *ip ssh client password*);
 - <port> – , TFTP-, IP- «#» «:»;
 - <path> – .
- scp://[<user>:<password>@]<ipv6>[%<interface>][<port>]:/<path>
 - <ipv6> – IPv6- ;
 - <interface> – link-local ;
 - <user> – (*ip ssh client username*, *ip ssh client username*);
 - <password> – (*ip ssh client password*, *ip ssh client password*);
 - <port> – , TFTP-, IPv6- '#' ':' (IPv6- «[]»);
 - <path> – .

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CONFIG-ARCHIVE

:

```
esr(config-archive)# path tftp://10.10.10.1:/esr-1000/config
```

restore

, . . . «confirm». «restore» .

restore

.

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ROOT

:

```
esr# restore
```

.

rollback

. CANDIDATE . «commit».

.

rollback

.

10

ROOT

:

esr# rollback

.

save

CANDIDATE .

save

.

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ROOT

:

esr# save

Flash- .

show bootvar

, .

show bootvar

.

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ROOT

:

```

esr# show bootvar
Image      Version                               Date                               Status                               After reboot
-----
1          1.0.7 build 119[5cd22b8]             date 22/12/2015 time             Not Active
18:00:47
2          1.0.7 build 119[5cd22b8]             date 22/12/2015 time             Active
18:00:47

```

show boot-licence

show boot-licence

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ROOT

:

```

esr# show boot-licence
Licence information
-----
Name:      Eltex
Version:   1.0
Type:      ESR-1000
S/N:       NP01000530
MAC:       A8:F9:4B:AA:44:BB
Features:
  KSS - Kaspersky Security System

```

show candidate-config

, («commit»).

show candidate-config [full] [<SECTION>]

full – , .

<SECTION> – :

- aaa – , ;
- access-list – ;
- bridges – ;
 - [<NUM>] – .
- channel-group – ;
- clock – NTP-;
- dhcp – DHCP-, Relay-;
- content-provider – ;
- dual-homing – Dual Homing¹;
- extended – ;
- hostname – ;
- interfaces [<IF>] – :

- <IF> – , , .
- ip-address – IP-;
- ipv6 [<SUBSECTION>] – IPv6:
 - address – IPv6-;
 - dhcp [<SUBSECTION>] – IPv6 DHCP-:
 - client – IPv6 DHCP-;
 - relay – IPv6 DHCP Relay-;
 - server – IPv6 DHCP-.
 - routing [<SUBSECTION>] – IPv6-:
 - bfd – IPv6 BFD;
 - bgp – IPv6 BGP;
 - ospf – OSPFv3;
 - prefix-lists – IPv6 -;
 - rip – RIP;
 - static – .
 - vrrp – IPv6 VRRP-.
- dialplan – ;
- lldp – LLDP;
- mac-address-table – MAC- ¹ ;
- mailservers – ;
- mdns – mDNS;
- mirroring – ¹ ;
- mpls – MPLS;
- mdns – mDNS;
- multiwan – WAN-;
- nat [<SUBSECTION>] – NAT:
 - source – Source NAT;
 - destination – Destination NAT;
 - alg – NAT.
- netflow – Netflow ;
- object-groups [<TYPE> [<NAME>]] – ;
 - <TYPE> – , :
 - content-filter;
 - email;
 - network;
 - address-port;
 - application;
 - mac;
 - service;
 - url.
 - <NAME> – .
- port-security – Port Security ¹ ;
- qos – QoS;
- remote-access [<SUBSECTION>] – L2TP over IPsec PPTP-;
 - l2tp – L2TP over IPsec-;
 - pptp – PPTP-;
 - openvpn – OpenVPN-;
- remote-client – (SSH, Telnet, etc.);
- rmon – RMON;
- routing [<SUBSECTION>] – :
 - bfd – BFD;
 - bgp – BGP;
 - isis – IS-IS;
 - key-chains – ;
 - ospf – OSPF;
 - prefix-list – -;
 - rip – RIP;
 - route-maps –
 - [<RM-NAME>] – .
 - static – .
- security [<SUBSECTION>] – IPsec VPN Firewall;
 - antispam - «»;
 - ike – IKE;
 - ipsec – IPsec
 - zone – Firewall;
 - zone-pair – Firewall;
- sip – SIP;
 - profile – SIP-;
 - service – SIP-;
- sflow – sFlow ;
- snmp – SNMP-;
- spanning-tree – Spanning Tree;
- sla – IP SLA
- system – ;
- syslog – Syslog;
- tracks – Tracking-.
- tunnels [<TYPE> [<NUM>]] – :
 - <TYPE> – , :
 - gre – GRE-;

- ip4ip4 – IPv4 over IPv4-;
- l2tp – L2TP-;
- l2tpv3 – L2TPv3-;
- lt – ;
- softgre – SoftGRE-¹;
- vti – VTI-;
- pptp – PPTP-;
- ppoe – PPPoE-;
- l2tp – L2TP- ;
- openvpn – OPENVPN-;
- <NUM> – .
- vlans – VLAN;
- voice – ;
- vrf – VRF;
- vrrp – VRRP-;
- wisla – wiSLA;
- wireless-controller – Wi-Fi ;
- zabbix – Zabbix .



¹

ESR-1000.

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ROOT

:

```
esr# show candidate-config
ntp enable
ntp broadcast-client enable
syslog max-files 3
syslog file-size 512
syslog file default info
vlan 2
exit
security zone trusted
exit
security zone untrusted
exit
object-group service telnet
  port-range 23
exit
object-group service ssh
  port-range 22
exit
object-group service dhcp_server
  port-range 67
exit
More? Enter - next line; Space - next page; Q - quit; R - show the rest.
```

show configuration changes

.

show configuration changes [<CONFIG> < CONFIG>]

<CONFIG> – . :

- candidate-config;
- running-config;
- factory-config;
- default-config;

- flash:backup/FILE.

<CONFIG> running-config candidate-config.

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ROOT

:

```
esr(config-)# show configuration changes
+ interface gigabitethernet 1/0/1.100
+ ip firewall disable
+ ip address 10.54.22.1/24
+ exit
```

show crypto certificates

.

show crypto certificates [<CERTIFICATE-TYPE>]

<CERTIFICATE-TYPE> - , :

- ca - ;
- crl - ;
- dh - -;
- server-crt - ;
- server-key - ;
- client-crt - ;
- client-key - ;
- ta - HMAC-.

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ROOT

:

```
esr# show crypto certificates
Type          Total
-----
ca              3
dh              1
server key     2
server crt     1
ta              1
crl             1
```

show licence

.

show licence

.

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ROOT

:

```
esr# show licence
Licence information
-----
Name: X-Telecom
Version: 1.0
Type: ESR-1000
S/N: NP01000046
MAC: A8:F9:4B:AA:03:20
Features:
  DHCP - Dynamic Host Configuration Protocol
  IDS - Empty description
  SWUTIL - View interface's utilization
```

show running-config

.

show running-config [<SECTION>] [full]

<SECTION> - , [show candidate-config](#).

full - , .

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ROOT

:

```
esr# show running-config syslog
syslog max-files 3
syslog file-size 512
syslog file default info
syslog console info
```

show storage-devices

(USB/MMC).

show storage-devices { usb | mmc }

usb – USB- .
mmc – SD/MMC .

1

ROOT

:

esr# show storage-devices mmc			
Name	Total, MB	Used, MB	Free, MB
-----	-----	-----	-----
EF28-D074	99.79	72.64	27.15

show usb

USB-.

show usb

.

1

ROOT

:

esr-1000# show usb			
USB device	Vendor	Product ID	Product version
-----	-----	-----	-----
1-1	Flash	USB Disk	6.80

show version

.

show version

.

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ROOT

:

```
esr# show version
Boot version:
  1.0.7.16 (date 18/11/2015 time 13:40:59)
SW version:
  1.0.7 build 17[d9bdbda] (date 21/11/2015 time 18:06:41)
HW version:
  lv7
```

time-period

, .
(no) .

time-period <TIME>
no time-period

<TIME> - , [1..35791394].

720

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CONFIG-ARCHIVE

:

```
esr(config-archive)# time-period 1440
```

type

.
(no) .

type <TYPE>
no type

<TYPE> - . :

- local - flash:backup/ "config_YYYYMMDD_HHMMSS;" :
 - YYYY -, ;
 - MM -, ;
 - DD -, ;
 - HH -, ;
 - MM -, ;
 - SS -, .
- remote - ;
- both - flash:backup .

remote

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CONFIG-ARCHIVE

:

```
esr(config-archive)# type both
```